ROLAND N. SMOOT CONRAD R. SOLUM, JR. JAMES W. GERIAK\* ROBERT M. TAYLOR, JR. ROBERT M. TAYLOR, JR.
SAMUEL B. STONE\*
DOUGLAS E. OLSON\*
ROBERT E. LYON\*
ROBERT C. WEISS\*
RICHARD E. LYON, JR.\* JOHN D. McCONAGHY\* WILLIAM C. STEFFIN\* COE A. BLOOMBERG\* J. DONALD McCARTHY\* ARNOLD E. SKLAR

JOHN M. BENASSI

JAMES H. SHALEK

ALLAN W. JANSEN ROBERT W. DICKERSON ROY L. ANDERSON DAVID B. MURPHY JAMES C. BROOKS JEFFREY M. OLSON STEVEN D. HEMMINGER JERROLD B. REILLY PAUL H. MEIER JOHN A. RAFTER, JR. KENNETH H. OHRINER MARY S. CONSALVI LOIS M. KWASIGROCH LAWRENCE R. LAPORTE ROBERT C. LAURENSON

CAROL A. SCHNEIDER HOPE E. MELVILLE ROBERT D. FISH MICHAEL J. WISE STEVEN M. WEISS KURT T. MULVILLE THEODORE S. MACEIKO MATTHEW W. KNIGHT MATTHEW W. NIGHT
RICHARD J. WARBURG
JAMES P. BROGAN
JEFFREY D. TEKANIC
CORRINE M. FREEMAN
DAVID A. RANDALL
CHRISTOPHER A. VANDERLAAN BRUCE G. CHAPMAN DAVID T. BURSE CHARLES R. BALGENORTH WAYNE B. BROWN JEROME T. TAO JEFFREY A. MILLER ARMAND F. AYAZI JESSICA R. WOLFF JOSEPH H. LEE MARK J. CARLOZZI SHELDON O. HEBER JEFFREY W. GUISE

TIMOTHY L. EPP KYLE L. ELLIOTT
F. T. ALEXANDRA MAHANEY F. T. ALEXANDRA MAHAN CHARLES S. BERKMAN SHERYL R. SILVERSTEIN DAVID E. WANG ANTHONY C. CHEN JOSEPH H. CHI SCOT A. READER KENNETH S. ROBERTS BRENT D. SOKOL CLARKE W. NEUMANN
J. DAVID SMITH
AUGUSTINE GERARD YEE JOHN C. KAPPOS VICTOR DE GYARFAS THOMAS J. BRINDISI RICHARD C. HSU CATHERINE M. JOYCE CHARLES C. FOWLER LISA WARD KARMELICH VICKI GEE NORTON JONATHAN T. LOSK KENNETH D. SPRINGER PETER C. MEI

## LYON & LYON

A PARTNERSHIP INCLUDING PROFESSIONAL CORPORATIONS

**SUITE 660** 

**4250 EXECUTIVE SQUARE** LA JOLLA, CALIFORNIA 92037

FAX: (619) 552-0159 TELEPHONE (619) 552-8400

FREDERICK S. LYON (1873-1948) LEONARD S. LYON (1896-1964)

LOS ANGELES, CA OFFICE

FIRST INTERSTATE WORLD CENTER 633 WEST FIFTH STREET, SUITE 4700 LOS ANGELES, CALIFORNIA 90071-2066 FAX: (213) 955-0440 TELEPHONE (213) 489-1600

COSTA MESA, CA OFFICE

3200 PARK CENTER DRIVE, SUITE 1200 COSTA MESA, CALIFORNIA 92626 FAX: (714) 751-8209 TELEPHONE (714) 751-6606

SAN JOSE, CA OFFICE

99 ALMADEN BOULEVARD, SUITE 700 SAN JOSE, CALIFORNIA 95113 FAX: (408) 287-2664 TELEPHONE (408) 993-1555

> OF COUNSEL BRADFORD J. DUFT

RECEPTIONIST A PROFESSIONAL CORPORATION

IMAR 3 0 1995

GROUP 1800

March 28, 1995

Examiner Gary Kuntz - Group 1800 United States Patent and Trademark Office Crystal Mall I, Room 12D-10 1911 Jefferson Davis Highway Arlington, VA 22202

U.S. Patent Application No. 08/300,484

ROSE-HIATT BIOTECHNOLOGY PARTNERSHIP

For: ENZYME CATALYZED TEMPLATE-INDEPENDENT CREATION OF

PHOSPHODIESTER BONDS USING PROTECTED NUCLEOTIDE

Inventor(s): Andrew C. Hiatt and Floyd Rose

Lyon & Lyon Docket No.: 207/145

Dear Examiner Kuntz:

Enclosed is a duplicate copy of the sequence listing for the above-referenced patent application as requested. copy is to replace the timely filed original which was destroyed by the U.S. Postal Service during shipment.

Very truly yours,

Jeffrey W. Guise, Ph.D.

JWG/kac